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AMENDMENTS IN THE CLAIMS

1   1.   (Currently amended) An apparatus, comprising:

2   a network component operable to employ a) one or more call characteristics to

3   make a determination to initiate a request to a switch component for one or more

4   positions of one or more mobile stations and b) at least one [[or more]] call parameter

5   [[parameters]] to identify one or more cellular network cells associated with the one or

6   more mobile stations, wherein the at least one call parameter of the one or more call

7   parameters employed to identify one of the one or more cellular network cells is a

8   telephony number of at least one of the one or more mobile stations; and

9   wherein the network component is operable to receive, in response to the

10   request, the one or more positions of the one or more mobile stations from a position

11   component operable to determine the one or more positions of the one or more mobile

12   stations continuously; and

13   wherein the network component comprises one of a magnetic data storage

14   medium, an optical data storage medium, a biological data storage medium, or an

15   atomic data storage medium.

1   2.   (Previously presented) The apparatus of claim 1, wherein the network

2   component is operable to perform a comparison of the one or more call characteristics

3   with one or more thresholds to make the determination to initiate the request for the one

4   or more positions of the one or more mobile stations.

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1   3.   (Previously presented) The apparatus of claim 2, wherein the one or more

2   call characteristics comprise a pilot signal strength characteristic, and wherein the one

3   or more thresholds comprise a pilot signal strength threshold, and wherein the network

4   component is operable to perform a comparison of the pilot signal strength

5   characteristic with the pilot signal strength threshold; and

6   wherein the network component makes the determination to initiate the request

7   for the one or more positions of the one or more mobile stations based on a result of the

8   comparison of the pilot signal strength characteristic with the pilot signal strength

9   threshold.

1   4.   (Previously presented) The apparatus of claim 2, wherein the network

2   component is operable to employ the one or more call characteristics to create one or

3   more call statistics, and wherein the one or more thresholds comprise one or more call

4   characteristic thresholds and one or more call statistic thresholds; and

5   wherein the network component is operable to perform a comparison of the one

6   or more call statistics with the one or more call statistic thresholds; and

7   wherein the network component is operable to employ a comparison of the one

8   or more call characteristics with the one or more call characteristic thresholds and the

9   comparison of the one or more call statistics with the one or more call statistic

10   thresholds to make the determination to initiate the request.

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1   5.   (Previously presented) The apparatus of claim 2, wherein the network

2   component comprises an interface, and wherein the network component is operable to

3   receive the one or more thresholds from a service provider through employment of the

4   interface.

1   6.   (Previously presented) The apparatus of claim 1, wherein the network

2   component is operable to employ the determination to initiate the request to promote an

3   avoidance of congestion in one or more cellular network communication paths.

1   7.   (Previously presented) The apparatus of claim 6, wherein the network

2   component makes the determination to initiate the request upon an exceedance of the

3   one or more call characteristics relative to one or more thresholds; and

4   wherein upon the exceedance of the one or more call characteristics relative to

5   the one or more thresholds, the network component and the position component are

6   operable to cooperate to obtain the one or more positions of the one or more mobile

7   stations.

1   8.   (Previously presented) The apparatus of claim 7, wherein upon a

2   termination of the exceedance of the one or more call characteristics relative to the one

3   or more thresholds, the network component and the position component are operable to

4   cooperate to discontinue attainment of the one or more positions of the one or more

5   mobile stations.

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1   9.   (Previously presented) The apparatus of claim 1, wherein the network

2   component is operable to employ the one or more call characteristics to perform a

3   selection of the one or more mobile stations from a plurality of mobile stations; and

4   wherein the network component is operable to employ the selection to formulate

5   the request for the one or more positions of the one or more mobile stations from the

6   plurality of mobile stations.

1   10.   (Previously presented) The apparatus of claim 1, wherein the one or more

2   mobile stations are associated with the one or more cellular network cells; and

3   wherein the network component is operable to employ the one or more call

4   characteristics to perform a selection of the one or more cellular network cells from a

5   plurality of cellular network cells; and

6   wherein the network component is operable to employ the selection to formulate

7   the request for the one or more positions of the one or more mobile stations that are

8   associated with the one or more cellular network cells.

1   11.   (Previously presented) The apparatus of claim 10, wherein the network

2   component is operable to employ the switch component to identify the one or more

3   mobile stations that are associated with the one or more cellular network cells; and

4   wherein the network component is operable to employ the switch component to

5   determine the one or more positions of the one or more mobile stations that are

6   associated with the one or more cellular network cells.

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1   12.   (Previously presented) The apparatus of claim 1, wherein the network

2   component is operable to receive the one or more positions of the one or more mobile

3   stations in response to the request; and

4   wherein the network component is operable to employ the one or more positions

5   of the one or more mobile stations and the one or more call characteristics to develop a

6   coverage map.

1   13.   (Previously presented) The apparatus of claim 1, further comprising:

2   the switch component that is operable to provide the one or more call

3   characteristics to the network component;

4   wherein the network component is operable to employ the one or more call

5   characteristics to make a determination to initiate a request to the switch component;

6   and

7   wherein the switch component is operable to obtain the one or more positions of

8   the one or more mobile stations based on the request to the switch component.

1   14.   (Currently amended) The apparatus of claim 13, wherein the network

2   component is operable to provide to the switch component the at least one [[or more]]

3   call parameter [[parameters]]; and

4   wherein the switch component is operable to employ the at least one [[or more]]

5   call parameter [[parameters]] to perform an identification of the one or more mobile

6   stations from a plurality of mobile stations; and

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7 wherein the switch component is operable to employ the identification of the one

8 or more mobile stations from the plurality of mobile stations to obtain the one or more

9 positions of the one or more mobile stations.

1 15. (Currently amended) The apparatus of claim 14, wherein the one or more

2 mobile stations are associated with one or more calls; and

3 wherein the switch component is operable to employ the at least one [[or more]]

4 call parameter [[parameters]] to perform an identification of the one or more calls from a

5 plurality of calls; and

6 wherein the switch component is operable to employ the identification of the one

7 or more calls from the plurality of calls to obtain the one or more positions of the one or

8 more mobile stations that are associated with the one or more calls.

1 16. (Previously presented) The apparatus of claim 13, wherein the network

2 component and the switch component are operable to receive the one or more positions

3 of the one or more mobile stations from the position component; and

4 wherein the network component and the switch component are operable to

5 cooperate to develop a coverage map through employment of the one or more positions

6 of the one or more mobile stations.

1 17. (Previously presented) The apparatus of claim 16, wherein the position

2 component is operable to employ one or more of an Enhanced Forward Link

3 Trilateration algorithm and an IS-801 solution using an Assisted Global Positioning

4 System (AGPS), Advanced Forward Link Trilateration (AFLT) or combined AGPS/AFLT

5 algorithm to determine the one or more positions of the one or more mobile stations.

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1   18.   (Currently amended)   A method, comprising the steps of:

2   initiating a request from a network component to a switch component for one or

3   more positions of one or more mobile stations through employment of a) one or more

4   call characteristics and b) at least one [[or more]] call parameter [[parameters]] to

5   identify one or more cellular network cells associated with the one or more mobile

6   stations, wherein the at least one call parameter of the one or more call parameters

7   employed to identify one of the one or more cellular network cells is a telephony number

8   of at least one of the one or more mobile stations;

9   receiving, in response to the request, the one or more positions of the one or

10   more mobile stations; and

11   determining the one or more positions of the one or more mobile stations

12   continuously;

13   wherein the network component comprises one of a magnetic data storage

14   medium, an optical data storage medium, a biological data storage medium, or an

15   atomic data storage medium.

1   19.   (Previously presented) The method of claim 18, wherein the step of

2   initiating the request from the network component to the switch component for the one

3   or more positions of the one or more mobile stations through employment of the one or

4   more call characteristics further comprises the steps of:

5   performing a comparison of the one or more call characteristics with one or more

6   thresholds; and

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7   initiating the request for the one or more positions of the one or more mobile

8   stations based on the comparison.

1   20.   (Currently amended) The method of claim 19, wherein the step of initiating

2   the request from the network component to the switch component for the one or more

3   positions of the one or more mobile stations based on the comparison further comprises

4   the steps of:

5   determining the at least one [[or more]] call parameter [[parameters]] associated

6   with the one or more thresholds;

7   identifying the one or more mobile stations from a plurality of mobile stations

8   through employment of the at least one [[or more]] call parameter [[parameters]]; and

9   initiating the request for the one or more positions of the one or more mobile

10   stations through employment of the at least one [[or more]] call parameter

11   [[parameters]].

1   21.   (Canceled)

1   22.   (Previously presented) The apparatus of claim 16, wherein the position

2   component is pre-provisioned with one or more intervals of time to determine the one or

3   more positions of the one or more mobile stations.

1   23.   (Previously presented) The apparatus of claim 5, wherein the thresholds

2   provide a measure of a quality level of service provided to the one or more mobile

3   stations.

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1   24.   (Currently amended) The apparatus of claim 1, wherein the network

2   component is operable to employ the <u>at least</u> one [[or more]] call <u>parameter</u>

3   [[parameters]] to identify i) the one or more cellular network cells associated with the

4   one or more mobile stations or ii) the one or more mobile stations.

1   25.   (Previously presented) The apparatus of claim 1, wherein the network

2   component is operable to limit a number of requests for the one or more positions of the

3   one or more mobile stations based on a comparison of the one or more call

4   characteristics with one or more thresholds.

1   26.   (Previously presented) The apparatus of claim 4, wherein one of the one

2   or more call statistics is a number of dropped calls within an hour.

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